

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An organic electroluminescent device, comprising:
a substrate;
a first electrode on the substrate;
an organic luminescent layer on the first electrode;
a second electrode on the organic luminescent layer, wherein the organic luminescent layer is between the first electrode and the second electrode; and
a nanostructured organic electroluminescent recovery layer having nanoscale metal particles therein.
2. (Currently Amended) The organic electroluminescent device as claimed in claim 1, wherein the nanostructured organic electroluminescent recovery layer is on the substrate and between the substrate and the first electrode.
3. (Currently Amended) The organic electroluminescent device as claimed in claim 1, wherein the nanostructured organic electroluminescent recovery layer is on the first electrode and between the first electrode and the organic luminescent layer.
4. (Currently Amended) The organic electroluminescent device as claimed in claim 1, wherein the nanostructured organic electroluminescent recovery layer is on the organic luminescent layer and between the organic luminescent layer and the second electrode.

5. (Original) The organic electroluminescent device as claimed in claim 1, wherein the nanostructured organic electroluminescent recovery layer is on the second electrode.

6. (Original) The organic electroluminescent device as claimed in claim 1, wherein the organic luminescent layer comprises a single organic luminescent layer.

7. (Original) The organic electroluminescent device as claimed in claim 1, wherein the organic luminescent layer comprises stacked organic luminescent layers.

8. (Original) The organic electroluminescent device as claimed in claim 1, wherein the organic luminescent layer comprises fluorescent luminescent material or phosphorescent luminescent material.

9. (Original) The organic electroluminescent device as claimed in claim 1, wherein the organic luminescent layer comprises molecular organic luminescent material.

10. (Original) The organic electroluminescent device as claimed in claim 1, wherein the organic luminescent layer comprises polymer organic luminescent material.

11. (Original) The organic electroluminescent device as claimed in claim 1, wherein the substrate is transparent or opaque glass or plastic.

12. (Original) The organic electroluminescent device as claimed in claim 11, wherein the plastic substrate is selected from the group consisting of polyethyleneterephthalate, polyester, polycarbonate, polyimide, Arton, polyacrylate and polystyrene.

13. (Original) The organic electroluminescent device as claimed in claim 1, wherein the first electrode is transparent, metal, or complex.

14. (Original) The organic electroluminescent device as claimed in claim 1, wherein the second electrode is transparent, metal, or complex.

15. (Original) The organic electroluminescent device as claimed in claim 13, wherein the transparent electrode is ITO, IZO, AZO or ZnO.

16. (Original) The organic electroluminescent device as claimed in claim 14, wherein the transparent electrode is ITO, IZO, AZO or ZnO.

17. (Original) The organic electroluminescent device as claimed in claim 13, wherein the metal electrode is selected from the group consisting of Li, Mg, Ca, Al, Ag, In, Au, Ni, Pt, and alloys thereof.

18. (Original) The organic electroluminescent device as claimed in claim 14, wherein the metal electrode is selected from the group consisting of Li, Mg, Ca, Al, Ag, In, Au, Ni, Pt, and alloys thereof.

19. (Original) The organic electroluminescent device as claimed in claim 13, wherein the complex electrode comprises stacked layer electrodes of Li, Mg, Ca, Al, Ag, In, Au, Ni, Pt, ITO, IZO, AZO or ZnO.

20. (Original) The organic electroluminescent device as claimed in claim 14, wherein the complex electrode comprises stacked layer electrodes of Li, Mg, Ca, Al, Ag, In, Au, Ni, Pt, ITO, IZO, AZO or ZnO.

21. (Original) The organic electroluminescent device as claimed in claim 1, wherein the nanostructured organic electroluminescent recovery layer is a nanostructured thin film layer comprising dielectric material and nanoscale metal particles.

22. (Original) The organic electroluminescent device as claimed in claim 21, wherein the dielectric material for the nanostructured organic electroluminescent recovery layer is selected from the group consisting of silicides, oxides, carbides, nitrides and combinations thereof.

23. (Original) The organic electroluminescent device as claimed in claim 21, wherein the dielectric material for the nanostructured organic electroluminescent recovery layer is selected

from the group consisting of silicon oxide, aluminum oxide, magnesium oxide, silicon nitride, aluminum nitride and magnesium fluoride.

24. (Original) The organic electroluminescent device as claimed in claim 21, wherein the nanoscale metal particles is selected from the group consisting of Au, Ag, Al, Ge, Se, Sn, Sb, te, Ga or combinations thereof.

25. (Original) The organic electroluminescent device as claimed in claim 21, wherein the dielectric material and the nanoscale metal particles for the nanostructured organic electroluminescent recovery layer are formed at the same time using the same or different methods, and the nanoscale metal particles are doped into the dielectric material.

26. (Original) The organic electroluminescent device as claimed in claim 1, wherein the nanostructured organic electroluminescent recovery layer is a nanostructured thin film layer comprising organic material and nanoscale metal particles.

27. (Original) The organic electroluminescent device as claimed in claim 26, wherein the organic material of the nanostructured organic electroluminescent recovery layer comprises molecular or polymer organic material.

28. (Original) The organic electroluminescent device as claimed in claim 26, wherein the nanoscale metal particles is selected from the group consisting of Au, Ag, Al, Ge, Se, Sn, Sb, Te, Ga and combinations thereof.

29. (Original) The organic electroluminescent device as claimed in claim 26, wherein the organic material and the nanoscale metal particles for the nanostructured organic electroluminescent recovery layer are formed at the same time using the same or different methods, and the nanoscale metal particles are doped into the organic material.

30. (Currently Amended) An organic electroluminescent device, comprising:

- a substrate;
- a first electrode on the substrate;
- an organic luminescent layer on the first electrode;
- a second electrode on the organic luminescent layer, wherein the organic luminescent layer is between the first electrode and the second electrode;
- a first nanostructured organic electroluminescent recovery layer having first nanoscale metal particles therein; and
- a second nanostructured organic electroluminescent recovery layer having second nanoscale metal particles therein.

31. (Original) The organic electroluminescent device as claimed in claim 30, wherein the first nanostructured organic electroluminescent recovery layer is on the substrate and between the substrate and the first electrode.

32. (Currently Amended) The organic electroluminescent device as claimed in claim 30, wherein the first nanostructured organic electroluminescent recovery layer is on the first electrode and between the first electrode and the organic luminescent layer.

33. (Currently Amended) The organic electroluminescent device as claimed in claim 30, wherein the second nanostructured organic electroluminescent recovery layer is on the organic luminescent layer and between the organic luminescent layer and the second electrode.

34. (Original) The organic electroluminescent device as claimed in claim 30, wherein the second nanostructured organic electroluminescent recovery layer is on the second electrode.